

U.S. Dept. of Commerce Patent & Trademark Office		SEARCHED 11586	SERIAL NO. 08/019,011
LIST OF PRIOR ART CITED BY APPLICANT			
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		FILING DATE February 18, 1993	DUE 1205/202

## U. S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	AA	4,797,413	01/10/89	Baldwin et al.	514	432	
	AB	4,847,289	07/11/89	Baldwin et al.	514	445	
	AC	4,731,368	03/15/88	Hoffman, Jr., et al.	514	301	
	AD	4,746,745	05/24/88	Maren	548	139	
	AE	4,619,939	10/28/86	Maren	514	363	
	AF						534
	AG						44
	AH						24
	AI						
	AJ						
	AK						0

## FOREIGN PATENT DOCUMENTS

	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
						YES	NO
	AL	1,516,024	06/28/78	United Kingdom			
	AM	1,096,916	01/12/61	Germany (Canadian Patent No. 661,731 is the English language equivalent)	120		
	AN	661731	4/23/63	Canada			
	AO						
	AP						

## OTHER PRIOR ART (Including Author, Title, Date, Pertinent Pages, Etc.)

	AR	"The Reactions of Some Thiophene Sulfonyl Derivatives," Cremyln et al., <u>Phosphorus and Sulfur</u> , Vol. 10, pp. 111-119, 1981
	AS	"Studien in der Thiophenreihe. XXIV. <sup>2</sup> Uber Nitrothiophene and Thiophensulfochloride," Steinkopf et al., <u>Justus Liebigs Analen Der Chemie</u> , Vol. 501, pp. 174-186, 1933
	AT	"Heterocyclic Disulphonamides and Their Diuretic Properties," deStevens et al., <u>Journal of Medicinal and Pharmaceutical Chemistry</u> , Vol. 1(6), pp. 565-576, 1959

DATE CONSIDERED

12-21-93

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include a copy of this form with next communication to applicant.

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FOREIGN PATENT DOCUMENTS						
	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION
						YES <input type="checkbox"/> NO <input type="checkbox"/>
AL						
AM						
AN						
AO						
AP						

## OTHER PRIOR ART (Including Author, Title, Date, Pertinent Pages, Etc.)

AR	Gronowitz et al., Thiophene and its Derivatives, Vol. 44, Pt. 3, p. 135-307. (1986)	
AS		
AT		

<i>00 and</i>	DATE CONSIDERED	<i>12-21-93</i>
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